

Title (en)
VEHICLE UNLOCKING SYSTEM

Title (de)
FAHRZEUGENTRIEGELUNGSSYSTEM

Title (fr)
SYSTEME DE DEVERROUILLAGE DE VEHICULE

Publication
EP 1662079 A4 20091104 (EN)

Application
EP 04772671 A 20040826

Priority
• JP 2004012717 W 20040826
• JP 2003309071 A 20030901

Abstract (en)
[origin: EP1662079A1] A vehicle control apparatus (30), comprising: antenna means (31a) for communicating with an authentication information storage device (20) having stored therein authentication information used to authenticate a user of a vehicle; retaining means (33) provided in the vehicle in spaced apart relationship with the antenna means (31a) at a predetermined distance to retain the authentication information storage device (20); and control means (32) for selectively outputting a first control signal to control the operation of a predetermined first device and a second control signal to control the operation of a predetermined second device based on the authentication information received by the antenna means (31a), and in which the control means (32) is operative to output the first control signal to the first device under the condition that the vehicle lock is locked, and the authentication information is matched with predetermined authentication information, and output the second control signal to the second device under the condition that the authentication information is matched with predetermined authentication information after the first control signal is outputted to the first device, the vehicle lock is unlocked, and the authentication information storage device (20) is retained by the retaining means (33).

IPC 8 full level
E05B 49/00 (2006.01); **B60R 25/24** (2013.01); **G07C 9/00** (2006.01)

CPC (source: EP US)
B60R 25/245 (2013.01 - EP US); **B60R 25/248** (2013.01 - EP US); **G07C 9/00309** (2013.01 - EP US); **G07C 2009/00793** (2013.01 - EP US)

Citation (search report)
• [XY] JP H09105254 A 19970422 - TOKAI RIKI CO LTD
• [X] US 2002153995 A1 20021024 - KUMANO MASAKAZU [JP]
• [Y] JP 2000078279 A 20000314 - ALPINE ELECTRONICS INC
• [Y] JP H09282573 A 19971031 - SONY CORP
• [Y] JP 2000038032 A 20000208 - NIPPON SEIKI CO LTD
• [Y] JP 2000280843 A 20001010 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] EP 0796965 A1 19970924 - SONY CORP [JP]
• [Y] JP H11321471 A 19991124 - TOKAI RIKI CO LTD
• [Y] JP H1178708 A 19990323 - MURATA KYOICHI
• [A] JP S646112 U 19890113
• [A] JP H09310548 A 19971202 - DENSO CORP
• [Y] JP H08151838 A 19960611 - TOKAI RIKI CO LTD
• See references of WO 2005021905A1

Cited by
FR3030602A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1662079 A1 20060531; **EP 1662079 A4 20091104**; CN 1846038 A 20061011; JP WO2005021905 A1 20061026;
US 2007018789 A1 20070125; WO 2005021905 A1 20050310

DOCDB simple family (application)
EP 04772671 A 20040826; CN 200480025116 A 20040826; JP 2004012717 W 20040826; JP 2005513537 A 20040826;
US 57012706 A 20060228